



I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: August 28, 2003

Signature: Mary Jane Palma

(Mary Jane Palma)

#50
JL6
Docket No.: HUIP-P01-060
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Baron et al.

Application No.: 09/021660

Group Art Unit: 1647

Filed: February 10, 1998

Examiner: L. Spector

For: METHODS OF USING HEDGEHOG
PROTEINS TO MODULATE
HEMATOPOIESIS AND VASCULAR
GROWTH

SUBMISSION OF FORMAL DRAWINGS

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In reply to the Notice of Allowability mailed on June 2, 2003, submitted herewith is one set (20 sheets, 17 figures) of formal drawings for filing in the above-identified patent application. Kindly substitute the enclosed formal drawings for the informal drawings submitted with the originally filed application.

Please charge any fees or credits to our Deposit Account No. 18-1945, under Order No. HUIP-P01-060 from which the undersigned is authorized to draw.

Dated: August 28, 2003

Respectfully submitted,

By David P. Halstead

David P. Halstead, Ph.D.

Registration No.: 44,735

ROPES & GRAY LLP

One International Place

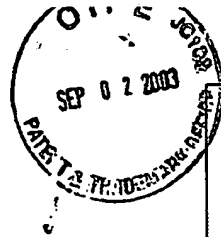
Boston, Massachusetts 02110-2624

(617) 951-7000

(617) 951-7050 (Fax)

Attorneys/Agents For Applicant

Copied from 09021600 on 21-10-2003



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Signature: Mary Jane DiPalma
(Mary Jane DiPalma)

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VASCULAR GROWTH

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY TO NOTICE OF ALLOWANCE/ALLOWABILITY

In reply to the Notice of Allowance and Allowability that were mailed in connection with the above-captioned case on June 2, 2003, and having confirmation number 4751, enclosed are:

A completed fee transmittal form PTOL-85;
Payment of the Issue and Publication Fee, and advanced order 10 copies as noted on the accompanying Fee Transmittal;
20 sheets, 17 Figures of Formal Drawings;
a Submission of Formal Drawings; and
a Supplemental Amendment.

The Commissioner is hereby authorized to charge \$1,630.00 in payment of the issue and publication fee and advance order of 10 copies to our Deposit Account No. 18-1945, under Order No. HUIP-P01-060. Please charge any additional fees or credit any overpayments to our Deposit Account No. 18-1945.

Dated: August 28, 2003

Respectfully submitted,

By David P. Halstead

David P. Halstead, Ph.D.

Registration No.: 44,735

ROPES & GRAY LLP

One International Place

Boston, Massachusetts 02110-2624

(617) 951-7000

(617) 951-7050 (Fax)

Attorneys for Applicant



PB

PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0651-0032

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEE TRANSMITTAL
for FY 2003**

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) **1,630.00****Complete if Known**

Application Number	09/021660
Filing Date	February 10, 1998
First Named Inventor	Margaret H. Baron
Examiner Name	L. Spector
Group Art Unit	1647
Attorney Docket No.	HUIP-P01-060

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None☒ Deposit AccountDeposit
Account
Number

18-1945

Deposit
Account
Name

Ropes & Gray LLP

The Commissioner is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1001	750	2001 375 Utility filing fee	
		1002	330	2002 165 Design filing fee	
		1003	520	2003 260 Plant filing fee	
		1004	750	2004 375 Reissue filing fee	
		1005	150	2005 80 Provisional filing fee	
SUBTOTAL (1)				(\$)	0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =	x	=
Multiple Dependent	-3** =	x	=

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description
		1202	18	2202 9 Claims in excess of 20
		1201	84	2201 42 Independent claims in excess of 3
		1203	280	2203 140 Multiple dependent claim, if not paid
		1204	84	2204 42 ** Reissue independent claims over original patent
		1205	18	2205 9 ** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) **0.00**

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
		1051	130	2051 65 Surcharge - late filing fee or oath	
		1052	50	2052 25 Surcharge - late provisional filing fee or cover sheet	
		1053	130	1053 130 Non-English specification	
		1812	2,520	1812 2,520 For filing a request for ex parte reexamination	
		1804	920*	1804 920* Requesting publication of SIR prior to Examiner action	
		1805	1,840*	1805 1,840* Requesting publication of SIR after Examiner action	
		1251	110	2251 55 Extension for reply within first month	
		1252	410	2252 205 Extension for reply within second month	
		1253	930	2253 465 Extension for reply within third month	
		1254	1,450	2254 725 Extension for reply within fourth month	
		1255	1,970	2255 985 Extension for reply within fifth month	
		1401	320	2401 160 Notice of Appeal	
		1402	320	2402 160 Filing a brief in support of an appeal	
		1403	280	2403 140 Request for oral hearing	
		1451	1,510	1451 1,510 Petition to institute a public use proceeding	
		1452	110	2452 55 Petition to revive - unavoidable	
		1453	1,300	2453 650 Petition to revive - unintentional	
		1501	1,300	2501 650 Utility issue fee (or reissue)	1,300.00
		1502	470	2502 235 Design issue fee	
		1503	630	2503 315 Plant issue fee	
		1460	130	1460 130 Petitions to the Commissioner	
		1807	50	1807 50 Processing fee under 37 CFR 1.17(q)	
		1806	180	1806 180 Submission of Information Disclosure Stmt	
		8021	40	8021 40 Recording each patent assignment per property (times number of properties)	
		1809	750	2809 375 Filing a submission after final rejection (37 CFR 1.129(a))	
		1810	750	2810 375 For each additional invention to be examined (37CFR 1.129(b))	
		1801	750	2801 375 Request for Continued Examination (RCE)	
		1802	900	1802 900 Request for expedited examination of a design application	
				Publication fee for early, voluntary, or normal publication	300.00
				Advanced Order 10 Copies	30.00
Other fee (specify)				1504	
*Reduced by Basic Filing Fee Paid				SUBTOTAL (3)	(\$)
					1,630.00

SUBMITTED BYName (Print/Type) **David P. Halstead, Ph.D.**Registration No. **44,735****Complete (if applicable)**Telephone **(617) 951-7615**

Signature

Date **August 28, 2003**

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